

NAVAL HOSPITAL
QUONSET POINT, R.I.

SALUTATION: - - -

SLIDE

#1 IT IS A PRIVILEGE TO BE ABLE TO PRESENT A COMPREHENSIVE VIEW OF NAVAL HOSPITAL, QUONSET POINT, R.I., A MEDICAL FACILITY NOW UNDER THE MANAGEMENT AND TECHNICAL CONTROL OF THE SURGEON GENERAL OF THE NAVY, THE CHIEF, BUREAU OF MEDICINE AND SURGERY. THIS RELATIONSHIP IS A COMPARATIVELY RECENT ONE DATING FROM JULY 1, 1968 WHEN THE CHIEF OF NAVAL OPERATIONS ESTABLISHED THE HOSPITAL AS A SEPARATE COMMAND. SINCE 1941 WHEN THE NAVAL AIR STATION, QUONSET POINT WAS CONSTRUCTED, MEDICAL ACTIVITIES WERE A PART OF THE OVERALL MANAGEMENT AND OPERATION OF THE AIR STATION. HOWEVER, WITH THE MARKED EXPANSION OF MILITARY ACTIVITIES ON THE WEST SIDE OF NARRAGANSETT BAY INCLUDING THE AIR STATION AND THE SEABEE CENTER AT DAVISVILLE, THERE EVOLVED MORE REQUIREMENTS FOR MEDICAL SERVICES WITHIN THIS MILITARY COMPLEX. AT THE PRESENT TIME NAVAL HOSPITAL QUONSET POINT SERVES THE MEDICAL NEEDS OF OVER FIFTY DIFFERENT COMMANDS, REPRESENTING ALL THE MILITARY SERVICES INCLUDING NOT ONLY THE NAVY AND ITS COMPONENTS, BUT THE ARMY, AIR FORCE, MARINE CORPS, COAST GUARD, PUBLIC HEALTH SERVICE AND UNITS OF THE RHODE ISLAND NATIONAL GUARD. MORE THAN 65,000 ELIGIBLE PERSONNEL, ACTIVE DUTY, RETIRED AND THEIR DEPENDENTS, REPRESENT THE OVERALL POPULATION SERVED BY THIS FACILITY. THE ANCHOR PROMINENTLY DISPLAYED IN THE HOSPITAL INSIGNIA NOT ONLY CARRIES THE CONNOTATION OF THE NAVAL SERVICE BUT IT INDICATES

ALSO A CLOSE AFFILIATION WITH THE STATE OF RHODE ISLAND, THE GREAT SEAL OF WHICH HAS AN ANCHOR AS ITS CENTRAL FIGURE.

- #2 ON AN AREA OF APPROXIMATELY TWELVE ACRES WITHIN THE NAVAL AIR STATION, QUONSET POINT, IS THE NAVAL HOSPITAL WITH TWO SECTIONS OF FOUR WINGS EACH JUTTING FROM A CENTRAL BUILDING OF BRICK CONSTRUCTION. THE WINGS ADJACENT TO THE TRAFFIC CIRCLE IN FRONT OF THE BUILDING HOUSES OUT-PATIENT SERVICES AND THE OTHER FOUR WINGS CONTAIN ESSENTIALLY IN-PATIENT ACTIVITIES.
- #3 THE LARGE PARKING FACILITY IS CONSTANTLY USED TO CAPACITY, FOR THE OUT-PATIENT WORKLOAD REPRESENTS THE MAJOR PORTION OF HOSPITAL FUNCTIONS.
- #4 WITH THE NAVAL HOSPITAL IN THE FOREGROUND, THE NAVAL AIR STATION MAY BE SEEN IN RELATION TO THE WATERS OF NARRAGANSETT BAY. A RECENT DIRECTIVE FROM THE CHIEF OF NAVAL OPERATIONS HAS CENTERED ALL RESPONSIBILITY FOR AIR ANTI-SUBMARINE WARFARE ACTIVITIES IN THE ATLANTIC FLEET AT QUONSET POINT UNDER THE COMMAND OF REAR ADMIRAL JOSEPH B. TIBBETS, COMMANDER, FLEET AIR QUONSET. INCLUDED IN THE SCOPE OF THIS RESPONSIBILITY IS THE ASSIGNMENT OF TWO ANTI-SUBMARINE WARFARE AIRCRAFT CARRIERS,
- #5 USS INTREPID AND USS WASP PRESENTLY HOMEPORTED AT QUONSET POINT. NAVAL HOSPITAL QUONSET POINT BEARS THE DISTINCTION OF PROBABLY

BEING THE ONLY HOSPITAL IN THE NAVY WHICH CAN BE SHOWN IN THE SAME PICTURE WITH OPERATIONAL AIRCRAFT CARRIERS.

A LARGE PORTION OF HOSPITAL ACTIVITIES IS DEVOTED TO THE MEDICAL CARE OF FAMILIES OF SERVICE PERSONNEL WHO ARE DEPLOYED EITHER AT SEA ABOARD CARRIERS OR DESTROYERS OR WITH MOBILE CONSTRUCTION BATTALIONS AS SEABEES TO SOUTHEAST ASIA. THE AVAILABILITY OF COMPREHENSIVE MEDICAL CARE IN THEIR HOME PORT IS A SOURCE OF COMFORT AND A MARKED STIMULUS TO MORALE FOR THOSE MEN WHO ARE REQUIRED TO BE AWAY FROM HOME IN THE COURSE OF THEIR MILITARY DUTIES.

#6 THE CENTRAL PORTION OF THE HOSPITAL IS OF PERMANENT CONSTRUCTION AND THE DENTAL CLINICAL SERVICES ARE LOCATED ON THE SECOND FLOOR.

#7 MANY OF THE COMMANDS UTILIZING THE HOSPITAL HAVE PRESENTED COLORFUL UNIT PLAQUES TO THE COMMANDING OFFICER WHICH ARE DISPLAYED ON TWO ATTRACTIVE BOARDS IN THE HOSPITAL LOBBY. GENERALLY, THE PRESENCE OF AN INSIGNIA ON PUBLIC VIEW BOLSTERS THE PRIDE OF MEN SERVING IN THE UNIT AT THE SAME TIME GIVING THEM THE AWARENESS THAT NAVAL HOSPITAL QUONSET POINT IS THERE TO SERVE THEM, THEIR SHIPMATES AND THEIR FAMILIES.

- #8 FUNDAMENTAL TO ANY MILITARY MEDICAL FACILITY IS THE AVAILABILITY OF TREATMENT FOR ILLNESSES AND INJURIES OF A NON-EMERGENCY NATURE. TWICE DAILY, MILITARY SICK CALL IS HELD FOR PERSONNEL ATTACHED TO THE NAVAL AIR STATION AND ITS TENANT ACTIVITIES.
- #9 IN ADDITION, NAVAL HOSPITAL QUONSET POINT HAS A SELF CONTAINED UNIT FOR THE PURPOSE OF CONDUCTING PHYSICAL EXAMINATIONS WHICH IS UNIQUE IN THE NAVY. HERE, PRESUMABLY HEALTHY MILITARY PERSONNEL ENTER THE PHYSICAL EXAMINATION CENTER AND WITHIN THE SAME WING, WITHOUT BEING REQUIRED TO GO INTO THE HOSPITAL PROPER AND THUS CAUSE SOME INTERFERENCE WITH SICK PEOPLE, ALL ASPECTS OF REGULAR AND FLIGHT PHYSICAL EXAMINATIONS ARE GIVEN,
- #10 INCLUDING DENTAL, EYE TESTING, HEARING TESTS,
- #11 ELECTROCARDIOGRAMS, LABORATORY TESTS,
- #12 X-RAY STUDIES AND ALL OTHER DETAILS REQUIRED FOR A COMPREHENSIVE PHYSICAL EXAMINATION.
- #13 AND IN A MANNER SOMEWHAT SIMILAR TO MILITARY SICK CALL, IS THE OPERATION OF THE DEPENDENTS OUT-PATIENT CLINIC WHERE FAMILIES OF SERVICE PERSONNEL ARE EXAMINED AND TREATED.
- #14 MORE THAN 100,000 OUT-PATIENT VISITS ARE MADE ANNUALLY. IN ADDITION TO ADULT DEPENDENT CARE,
- #15 PEDIATRIC SERVICE IS PROVIDED, AN EXTREMELY BUSY PHASE OF HOSPITAL ACTIVITIES,

COMMON TO ALL SERVICES WITHIN THE HOSPITAL ARE CERTAIN
ADJUNCT OPERATIONS WHICH ARE VITAL TO ANY MEDICAL FACILITY.

- #16 THE PHARMACY IN NAVAL HOSPITAL QUONSET POINT IS ONE OF THE BUSIEST
IN THE STATE OF RHODE ISLAND FILLING APPROXIMATELY 20,000 PRESCRIPTIONS
A MONTH. A COMPREHENSIVE ARMAMENTARIUM OF DRUGS IS AVAILABLE TO
MEDICAL OFFICERS WHICH ARE PRESCRIBED AT NO COST TO THE PATIENT.
NEEDLESS TO SAY, TO STOCK THIS PHARMACY PROPERLY AND ARRANGE FOR
THE PROCUREMENT AND DISTRIBUTION OF SUPPLIES REQUIRES A
- #17 CONVENIENT STOREROOM OPERATED BY AN EFFICIENT FISCAL AND SUPPLY
DIVISION WHICH UTILIZES A
- #18 COMPUTERIZED TECHNIQUE FOR MAKING REPORTS AND MAINTAINING UP-TO-DATE
CONTROLS ON THE USAGE RATES OF SUPPLIES.
- #19 DIAGNOSTICALLY, X-RAY SUPPORT IS INVALUABLE IN AIDING PHYSICIANS IN
NOT ONLY THE CONFIRMATION OF DIAGNOSES, BUT IN EVALUATING THE EFFECT-
IVENESS OF TREATMENT OR ASSESSING CHANGES IN THE CONDITION OF A PATIENT.
- #20 RECENTLY, A NEW, HIGHLY SOPHISTICATED X-RAY UNIT EQUIPPED WITH A
FLUOROSCOPE SCREEN INTENSIFIER WAS INSTALLED WHICH ENABLES THE
RADIOLOGIST TO EXAMINE THE FUNCTION OF CERTAIN ORGANS WITHOUT RE-
QUIRING HIM TO BE IN COMPLETE DARKNESS AS IN THE PAST.

- #21 IN ADDITION, THE RADIOLOGY SERVICE USES A PORTABLE UNIT OF BROAD CAPABILITY, TO PERMIT X-RAY STUDIES OF PATIENTS WHO ARE CONFINED TO THEIR BEDS. OFTEN NEWBORN INFANTS MAY REQUIRE THE USE OF THIS HIGHLY COMPACT BUT COMPLEX PIECE OF EQUIPMENT.
- #22 EQUALLY IMPORTANT AS AN ANCILLARY MEDICAL FUNCTION IS THE ROLE OF THE LABORATORY. AT NAVAL HOSPITAL QUONSET POINT, THE LATEST METHODS OF LABORATORY TECHNIQUES
- #23 ARE USED IN CONDUCTING THE HEAVY VOLUME OF REQUIRED TESTS. BLOOD COUNTS ARE PROCESSED IN SECONDS, AS ARE QUANTITATIVE MEASURES OF VARIOUS SUBSTANCES IN THE BLOOD WHICH ARE PRESENTED THROUGH A DIGITAL COMPUTERIZED SYSTEM.
- #24 OF VITAL IMPORTANCE IS THE MAINTENANCE OF AN ACTIVE BLOOD BANK. FORTUNATELY, THE LARGE AVAILABLE POPULATION OF MILITARY PERSONNEL PROVIDES A CONTINUOUS SOURCE OF BLOOD TO MEET HOSPITAL REQUIREMENTS. SHOULD A SPECIFIC, UNUSUAL TYPE OF BLOOD BE NEEDED WHICH OCCASIONALLY HAPPENS, THE AUTOMATED MEDICAL PROFILE SYSTEM, KNOWN AS AMPS, IS UTILIZED. IN THIS SYSTEM, ALL HEALTH RECORDS IN THE CUSTODY OF THE HOSPITAL HAVE IMPORTANT DATA RECORDED ON COMPUTER TAPES IN ADVANCED COMPUTERS OPERATED BY THE DATA PROCESSING DEPARTMENT OF THE NAVAL AIR STATION. WITHIN 15 MINUTES SPECIFIC INFORMATION, SUCH AS THE NAMES, ADDRESSES, PHONE NUMBERS AND BLOOD DONATION HISTORY OF MILITARY PERSONNEL CAN BE RETRIEVED CONCERNING ANY BLOOD TYPE. A RAPID RESPONSE OF THIS KIND MAY CONCEIVABLY BE LIFE SAVING IN AN EMERGENCY.

- #25 GOOD VISION TO THE SERVICEMAN IS OBVIOUSLY ESSENTIAL AND MILITARY PERSONNEL AS WELL AS DEPENDENTS ARE PROVIDED WITH EYE REFRACTIONS BY THE STAFF OPTOMETRIST WHO ALSO EXAMINES CIVILIAN PERSONNEL WORKING AT QUONSET POINT, IN NEED OF SAFETY GLASSES. THIS ASPECT OF OPTOMETRIC SERVICE IS A SIGNIFICANT PART OF THE VISION SAFETY PROGRAM TO PROTECT THE SIGHT OF THOSE EMPLOYED IN EYE HAZARDOUS AREAS.
- #26 WHERE EYE DISEASES ARE INVOLVED OR THE REQUIREMENT FOR A COMPLETE EYE EXAMINATION EXISTS, THE SERVICES OF THE OPHTHALMOLOGIST ARE USED.
- #27 IN THE COURSE OF THEIR TRAINING AT THE NAVAL AEROSPACE MEDICAL INSTITUTE IN PENSACOLA, FLORIDA, FLIGHT SURGEONS ACQUIRE A PROFICIENCY IN THE AREA OF EAR, NOSE AND THROAT ILLNESSES PRIMARILY BECAUSE OF THE DIRECT RELATIONSHIP WITH THESE ORGANS AND THE PHYSIOLOGIC CHANGES INCIDENT TO FLYING. CONSEQUENTLY, IN THE ABSENCE OF A SPECIALIST IN THIS FIELD ON THE HOSPITAL STAFF, FLIGHT SURGEONS ARE ASSIGNED TO SERVE THE NEEDS OF THE EAR, NOSE AND THROAT SERVICE.
- #28 AS MIGHT BE EXPECTED IN A LARGE MILITARY POPULATION, PERSONALITY DISORDERS, EMOTIONAL INSTABILITY AND MANIFESTATIONS OF ANXIETY ARE OFTEN REVEALED BY THE STRESSES IMPOSED BY MILITARY DUTIES. THROUGH THE SERVICES OF A PSYCHIATRIST, EVALUATIONS FOR FITNESS FOR DUTY ARE CONDUCTED AS WELL AS ROUTINE EXAMINATIONS ON PERSONS INVOLVED IN DISCIPLINARY INFRACTIONS. DEPENDENTS ARE SEEN ALSO IN A LIMITED WAY AND GROUP THERAPY SESSIONS ARE HELD REGULARLY FOR THOSE AMENABLE TO TREATMENT.

- #29 PROFESSIONALLY, IN-PATIENT CARE REPRESENTS A MOST IMPORTANT RESPONSIBILITY. NAVAL HOSPITAL QUONSET POINT HAS 104 OPERATING BEDS WITH AN EXPANSION CAPABILITY TO 150 BEDS SHOULD THE DEMAND ARISE. TWO LARGE MILITARY WARDS CARE FOR THE SURGICAL AND MEDICAL NEEDS OF SERVICE PERSONNEL IN ADDITION TO THE SICK OFFICERS' QUARTERS.
- #30 ADULT DEPENDENTS OCCUPY PRIVATE OR SEMI-PRIVATE ACCOMMODATIONS WHICH ARE MOST TASTEFULLY FURNISHED. EACH ROOM HAS ITS OWN INDIVIDUAL DECOR WHICH WAS ACCOMPLISHED BY THE WIVES' CLUBS OF THE VARIOUS UNITS BASED AT QUONSET POINT OR DAVISVILLE. THE VOLUNTEER EFFORTS OF THE MEMBERS OF THESE ORGANIZATIONS ARE TRULY OUTSTANDING AND THEY HAVE DONE MUCH TO MAKE OTHER AREAS OF THE HOSPITAL APPEAR MORE HOMELIKE AND LESS FORBIDDING.
- #31 THE SOLARIUM ON THE WOMENS' WARD IS EXTREMELY INVITING HAVING BEEN DECORATED BY THE NAVAL AIR STATION OFFICERS' WIVES CLUB. OTHER GROUPS HAVE IN A SIMILAR MANNER REDESIGNED RECREATION ROOMS ADJACENT TO THE MILITARY WARDS. TELEVISION SETS ARE AN ESSENTIAL RECREATIONAL DIVERSION FOR MANY PATIENTS AND DONATIONS OF PORTABLE SETS HAVE BEEN RECEIVED FROM THE LADIES AUXILIARY OF THE LOCAL CHAPTER OF THE FLEET RESERVE ASSOCIATION AS WELL AS FROM OTHER GROUPS. IN ADDITION TO THESE MATERIAL BENEFITS, THE NUMBER OF WOMEN WHO GIVE OF THEIR TIME IN SERVING AS RED CROSS VOLUNTEERS IS MOST GRATIFYING. RECENT EVIDENCE OF SUCH GENEROSITY IS SHOWN ALSO IN THE COMBINED PROJECTS OF THE NAVY RELIEF SOCIETY AND THE QUONSET-DAVISVILLE BRANCH OF THE NAVY WIVES' CLUB OF AMERICA WHO HAVE

JOINED TO ADMINISTER A CHILDREN'S NURSERY FOR THE CARE OF PRE-SCHOOL CHILDREN DURING VISITS OF THEIR MOTHERS TO THE HOSPITAL. VOLUNTEER EFFORTS OF THIS KIND ASSIST GREATLY IN PROVIDING THE HIGHEST LEVEL OF MEDICAL CARE.

#32 FOOD SERVICE IN THE HOSPITAL IS AN OFFSHOOT OF THE GENERAL MESS OF THE NAVAL AIR STATION WHICH PROVIDES MEALS FOR ENLISTED PERSONNEL BASED AT QUONSET POINT. THE FOOD IS BROUGHT TO THE HOSPITAL IN BULK AND DISTRIBUTED TO THE WARDS IN NEW FOOD CARTS CONTAINING TRAYS WHICH ARE HEATED ON ONE SIDE AND REFRIGERATED ON THE OTHER THEREBY ENSURING THE PALATABILITY OF THE MEAL TO THE PATIENT.

#33 ONE OF THE MOST VALUABLE AND SIGNIFICANT ASPECTS OF PATIENT CARE IS CENTERED IN THE CORONARY INTENSIVE CARE UNIT. EQUIPPED WITH THE LATEST TRANSISTORIZED MONITORING DEVICES, THIS UNIT ENABLES CARDIAC PATIENTS TO RECEIVE IMMEDIATE MEDICAL ATTENTION BY A TRAINED TEAM OF PHYSICIANS, NURSES AND HOSPITAL CORPSMEN IN THE EVENT OF A SERIOUS HEART ATTACK. THE VALUE OF THIS CAPABILITY CANNOT BE OVER-ESTIMATED FOR A NUMBER OF PATIENTS TREATED IN THIS UNIT HAVE RECOVERED FROM CARDIAC ARREST, A CONDITION WHERE THE HEART HAS STOPPED FUNCTIONING, TO BE DISCHARGED LATER IN A REASONABLY HEALTHY STATE. IN THE JUDGEMENT OF ATTENDING PHYSICIANS, DELAYS ASSOCIATED WITH TRANSFERRING PATIENTS TO OTHER HOSPITALS WITH THESE SERIOUS HEART DISORDERS WOULD HAVE RESULTED IN ADVERSE IF NOT FATAL CONSEQUENCES.

- #34 NURSES AT THEIR REGULAR STATION HAVE THE ABILITY TO MONITOR THESE PATIENTS OUTSIDE OF THE INTENSIVE CARE UNIT. IN CASE OF SIGNIFICANT CHANGES IN THE PATIENT'S CONDITION, THE REMOTE EQUIPMENT SOUNDS A WARNING SO THAT RAPID CORRECTIVE ACTION CAN BE INSTITUTED. AT THIS STATION ALSO ROUTINE ELECTROCARDIOGRAMS CAN BE MADE WHENEVER THE CARDIOLOGIST REQUIRES A TRACING OF HEART ACTION WITHOUT INCONVENIENCING THE PATIENT.
- #35 IN THE SURGICAL SUITE OPERATIONS ARE PERFORMED ON A FULL SPECTRUM OF CONDITIONS WITHIN THE REALM OF GENERAL SURGERY. IN MOST INSTANCES AS IN GENERAL HOSPITALS, THE SURGICAL PROCEDURES ARE PERFORMED ELECTIVELY, THAT IS, SCHEDULED IN ADVANCE. HOWEVER, A 24 HOUR EMERGENCY SURGICAL CAPABILITY EXISTS SO THAT PATIENTS REQUIRING IMMEDIATE OPERATIONS MAY BE TREATED.
- #36 TWO DELIVERY ROOMS ARE USED IN CONDUCTING THE BUSY OBSTETRICAL PRACTICE AT THE HOSPITAL. BETWEEN 50 AND 60 DELIVERIES ARE PERFORMED MONTHLY WITH COMPLETE CARE FOR NEWBORN INFANTS.
- #37 FIFTEEN BASSINETS ALONG WITH ISOLETTES AND OTHER DEVICES FOR THE CARE OF PREMATURE BABIES ARE AVAILABLE IN THE NURSERY.
- #38 RECENTLY, TWO NEW UNITS WHICH PROVIDE A SPECIAL TYPE OF LIGHT FOR THE TREATMENT OF JAUNDICED BABIES HAVE BEEN ADDED WHICH OFTEN ELIMINATES THE NEED FOR EXCHANGE TRANSFUSIONS IN THESE INFANTS.

#39 LOCATED AT QUONSET POINT IS THE LARGEST INDUSTRIAL ESTABLISHMENT IN THE STATE OF RHODE ISLAND, THE NAVAL AIR REWORK FACILITY. THIS ACTIVITY HAS OVER THREE THOUSAND CIVILIAN EMPLOYEES AND HAS AS ITS PRIMARY MISSION THE OVERHAUL AND REPAIR OF AIRCRAFT, RECIPROCATING AND JET ENGINES AND OTHER AIRCRAFT COMPONENTS. AS WITH ANY HIGHLY INDUSTRIALIZED COMPLEX, OCCUPATIONAL PRACTICES ARE INFLUENCED BY HUMAN FACTORS. PRODUCTION METHODS INVOLVING HAZARDOUS ENVIRONMENTAL CONDITIONS ARE MOST IMPORTANT CONSIDERATIONS IN THE OPERATION OF THIS FACILITY. HIGH INTENSITY NOISE WITH ITS DETRIMENTAL EFFECTS ON HEARING, EYE HAZARDOUS OCCUPATIONS, THE PREVALENCE OF TOXIC MATERIALS AND THE USE OF POWER EQUIPMENT ALL CONSTITUTE PROBLEMS PERTINENT TO THE PRACTICE OF OCCUPATIONAL OR INDUSTRIAL MEDICINE. THE NAVAL HOSPITAL OPERATES AN INDUSTRIAL DISPENSARY WITHIN THE NAVAL AIR REWORK FACILITY COMPLEX TO CARE FOR OCCUPATIONAL ILLNESSES AND INJURIES OF ITS EMPLOYEES AND OTHER CIVILIANS WORKING ON THE NAVAL AIR STATION. THIS DISPENSARY IS SUPERVISED BY AN INDUSTRIAL MEDICAL OFFICER WHO IS ASSISTED BY AN INDUSTRIAL HYGIENIST AND NURSE IN THE MANAGEMENT OF PROGRAMS RELATING TO OCCUPATIONALLY RELATED ILLNESSES. HOSPITAL CORPSMEN, AS IN THE HOSPITAL, SERVE AS TRAINED PARAMEDICAL PERSONNEL UNDER THE DIRECTION OF THE MEDICAL OFFICER.

AS WAS POINTED OUT EARLIER, NAVAL AIR STATION QUONSET POINT IS THE CENTER OF AIR ANTI-SUBMARINE WARFARE ACTIVITIES WHICH, IN CONCERT WITH CRUISER-DESTROYER FORCES AT NAVAL BASE, NEWPORT, CONSTITUTES THE MAJOR DEFENSE AGAINST THE THREAT OF HOSTILE SUBMARINES IN THE ATLANTIC.

TRAINING, OF COURSE, IS PARAMOUNT FOR ALL AVIATION PERSONNEL AND AN IMPORTANT PHASE OF HOSPITAL FUNCTIONS SIMILAR TO THAT OF INDUSTRIAL MEDICINE IS CONDUCTED BY THE AEROSPACE PHYSIOLOGIC TRAINING UNIT.

- #40 UNDER THE DIRECTION OF A NAVAL AEROSPACE PHYSIOLOGIST, LECTURES, DEMONSTRATIONS AND ACTUAL PRACTICE IN THE USE OF EQUIPMENT ARE GIVEN TO AVIATORS AND AIRCREWMEN IN MATTERS RELATING TO THE HUMAN ELEMENT IN FLIGHT OPERATIONS. THESE FLYING PERSONNEL ARE INDOCTRINATED IN THE EFFECTS OF ALTITUDE, ACCELERATIVE FORCES AND THE VARIOUS CONDITIONS OF A POTENTIALLY HAZARDOUS NATURE WHICH PREVAIL DURING OPERATIONAL MISSIONS.
- #41 OF IMPORTANCE IS FAMILIARIZATION WITH AIRBORNE PERSONAL EQUIPMENT DESIGNED TO PERMIT MAN TO CARRY OUT COMPLEX TASKS IN THE DANGEROUS ENVIRONMENT IMPOSED BY MILITARY AVIATION ACTIVITIES.
- #42 SPECIAL SUITS ARE USED BY AIRCREW PERSONNEL WHEN FLYING OVER WATER UNDER WINTER CONDITIONS SO THAT IN THE EVENT OF BEING DOWNED IN THE SEA, THE PARALYZING EFFECTS OF COLD MAY BE MINIMIZED.
- #43 TRAINING SESSIONS IN THE LOW PRESSURE CHAMBER WHICH REPRODUCES THE ATMOSPHERIC PRESSURE CHANGES ENCOUNTERED AT VARYING ALTITUDES ARE CONDUCTED REGULARLY FOR ALL AVIATION PERSONNEL.

#44 IT IS THROUGH SUCH INDOCTRINATIONS THAT AN APPRECIATION IS ACQUIRED FOR OXYGEN EQUIPMENT AND THE VITAL ROLE THAT DEVICES OF THIS KIND PLAY IN SUPPORTING LIFE UNDER CONDITIONS ORGINARILY HOSTILE TO THE HUMAN ORGANISM. BUT MILITARY AVIATION TRAINING MUST GO BEYOND FLIGHT ITSELF BECAUSE OF THE ADDITIONAL DANGERS ATTENDANT TO SUCH OPERATIONS. MANY SITUATIONS MAY ARISE BEYOND THOSE INHERENT IN COMBAT WHICH MAY ABRUPTLY TERMINATE A FLIGHT AT ANY STAGE DURING A MISSION. THUS SURVIVAL BECOMES AN ESSENTIAL ELEMENT IN AEROMEDICAL TRAINING. SINCE NAVAL AVIATION IS LARGELY CONCERNED WITH OVERWATER FLYING, WATER SURVIVAL IS EMPHASIZED. THE SWIMMING POOL OF THE NAVAL AIR STATION IS USED FOR THIS ASPECT OF TRAINING.

#45 THE SO-CALLED "DILBERT DUNKER," A MODIFIED AIRCRAFT COCKPIT ON RAILS IS RELEASED INTO THE WATER ULTIMATELY SETTLING IN AN INVERTED POSITION. THIS MANEUVER SIMULATES A CONDITION KNOWN AS A "COLD CATAPULT SHOT", THAT IS, THE CARRIER'S CATAPULT THROUGH INADVERTENT MALFUNCTION FAILS TO DELIVER ENOUGH POWER FOR THE AIRCRAFT TO REMAIN AIRBORNE AFTER LAUNCH. ALTHOUGH A RARE OCCURRENCE, ENGINE OR CONTROL FAILURES CAN CAUSE AN UNEXPECTED DITCHING THUS MAKING UNDERWATER EGRESS FROM THE AIRCRAFT NECESSARY.

#46 AFTER EACH RUN THE "DILBERT DUNKER" IS RETURNED TO ITS STARTING POSITION FOR USE BY THE NEXT SUBJECT, RARELY, FOR OBVIOUS REASONS, AIRCREW PERSONNEL ARE FORCED TO "BAIL OUT" OF THEIR AIRCRAFT DURING FLIGHT.

#47 IN ORDER TO ACHIEVE A SUCCESSFUL SEPARATION FROM JET AIRCRAFT AN EJECTION SEAT IS REQUIRED TO PROPEL THE AVIATOR OR CREWMAN OUT OF THE PLANE TO AVOID STRIKING THE TAIL ASSEMBLY TRAVELING FORWARD AT GREAT SPEED. IN EFFECT, THIS SEAT IS PLACED ON THE EQUIVALENT OF A GUN BARREL SO THAT ON ACTIVATING THE FIRING MECHANISM IT IS QUITE SIMILAR TO BEING "SHOT OUT OF A CANNON." ON THE EJECTION SEAT TRAINER, RAILS GUIDE THE SEAT AS IT RISES AND AFTER IT COMES TO REST, THE SUBJECT IS LOWERED SLOWLY BACK TO THE STARTING POSITION. FOLLOWING ACTUAL EJECTION FROM AN AIRCRAFT, THE PARACHUTE IS THE LIFE SAVING DEVICE WHICH ENABLES THE FLIER TO REACH THE SURFACE SAFELY. GENERALLY, PARACHUTE CANOPIES BILLOW UNDER WINDY SEA CONDITIONS AND THE AVIATOR MAY BE DRAGGED AT RELATIVELY HIGH SPEEDS ACROSS THE ROUGH WATER.

#48 TO AVOID BEING DROWNED UNDER SUCH CONDITIONS TECHNIQUES MUST BE LEARNED TO PERMIT A RAPID SEPARATION OF THE PILOT FROM HIS PARACHUTE. TRAINING IS CARRIED OUT THROUGH THE USE OF A SIMULATED PARACHUTE DRAG DEVICE WHICH PULLS A SUBJECT WEARING A PARACHUTE HARNESS ACROSS THE SURFACE OF THE SWIMMING POOL RATHER RAPIDLY. UNDER ACTUAL CONDITIONS OF BEING DOWNED IN A HOSTILE SEA, A KNOWLEDGE OF WATER SURVIVAL EQUIPMENT IS REQUIRED ONCE SEPARATION FROM THE PARACHUTE IS EFFECTED.

#49 ALTHOUGH IT MAY APPEAR EASY WHEN FIRST ASSESSING THE PROBLEM OF GETTING INTO A ONE-MAN LIFE RAFT, CONSIDERABLE PRACTICE IS NECESSARY TO ACQUIRE THE KNACK OF TAMING THE BUCKING, UNSTABLE AND UNCOOPERATIVE RAFT ONCE IT HAS BEEN INFLATED, ESPECIALLY IN ROUGH WATER. HOPEFULLY, SHOULD THE

UNEXPECTED SITUATION OF MAN AGAINST THE SEA ARISE, A PILOT WOULD EXPECT TO BE RESCUED IN A REASONABLY SHORT TIME. HOWEVER, DESPITE ACTIVATION OF RADIO BEACONS, THE USE OF LIGHTS, REFLECTING MIRRORS AND OTHER METHODS OF COMMUNICATING TO RESCUE FORCES, SURVIVAL AT SEA BECOMES A MATTER OF THE CORRECT UTILIZATION OF ALL AVAILABLE SURVIVAL EQUIPMENT. A SOLAR STILL ENABLES THE DOWNED AVIATOR TO MAKE POTABLE WATER BY DISTILLING SEA WATER. FISHING GEAR, MEDICINES AND OTHER ESSENTIAL ITEMS ARE CARRIED BY FLYING PERSONNEL ON EACH FLIGHT TO PERMIT EXTENDED PERIODS OF SURVIVAL AT SEA IF THEY ARE FACED WITH THE EVENTUALITY.

#50 MOST WELCOME, OF COURSE, IS THE APPEARANCE OF THE HELICOPTER SLING TO ONE WHO IS BOBBING ABOUT IN AN UNSTABLE LIFE RAFT. HERE AGAIN, THERE IS A PROPER METHOD OF USING THE SLING TO BRING THE RESCUE TO A SUCCESSFUL CONCLUSION. IT IS OBVIOUS THAT FAILURE TO CONDUCT THIS STAGE OF RESCUE OPERATIONS SATISFACTORILY WOULD BE A TRAGIC AND NEEDLESS END TO POSSIBLY A PROLONGED PERIOD OF SURVIVAL UNDER HIGHLY DANGEROUS AND ADVERSE CONDITIONS.

#51 THIS THEN, IS A BROAD PICTURE OF THE SCOPE AND FUNCTIONS OF NAVAL HOSPITAL QUONSET POINT. THE KEYNOTE OF THIS FACILITY IS "SERVICE" AND ALL WHO ARE AFFILIATED WITH THIS ACTIVITY BOTH MILITARY AND CIVILIAN ARE PROUD TO AID IN PROVIDING MEDICAL SUPPORT TO FLEET UNITS AND ASSIST WHEREVER POSSIBLE AS AN ELEMENT OF OUR GREAT NAVY.

THANK YOU VERY MUCH,